GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:3591
ANSWERED ON:23.03.2017
Pollution Related Parameters
Hegde Shri Anant Kumar Dattatreya

Will the Minister of POWER be pleased to state:

(a) whether the pollution related parameters have been fixed for thermal power plants across the country;

(b) if so, the details thereof;

(c) whether the implementation of these parameters are likely to affect the current production of electricity in a negative way; and

(d) if so, the details thereof?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES

(SHRI PIYUSH GOYAL)

(a) & (b) : Ministry of Environment, Forests and Climate Change (MOEF&CC) has notified new environmental norms on 7th December 2015 for thermal power plants (TPPs) for Suspended Particulate Matter (SPM), SO2, NOx and Hg. The details of these norms are given below:-

Emission Parameter	TPPs (Units) installed before 31st December, 2003	TPPs (Units) installed after 31st December 2003 and upto 31st December 2016	TPPs (Units) to be commissioned after 01.01.2017
Particulate Matter	100 mg/Nm3	50 mg/Nm3	30 mg/Nm3
Sulphur Di-oxide (SO2)	600 mg/Nm3 for units less than 500 MW capacity 200 mg/Nm3 for units of 500 MW and above capacity	600 mg/Nm3 for units less than 500 MW capacity 200 mg/Nm3 for units of 500 MW and above capacity	100 mg/Nm3
Oxides of Nitrogen (NOx)	600 mg/Nm3	300 mg/Nm3	100 mg/Nm3
Mercury (Hg)	0.03 mg/Nm3 for units having capacity of 500 MW and above	0.03 mg/Nm3	0.03 mg/Nm3

(c) & (d) : The installation of environmental control systems is capital intensive and also involve additional O&M expenditure. Some existing old coal based plants may not be able to meet the new parameters for various reasons, such as, lack of required space for installing pollution control equipments and non-availability of suitable technology for Indian coal and may be required to be phased out over a period of time.

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